

FIG.1 PRIORART

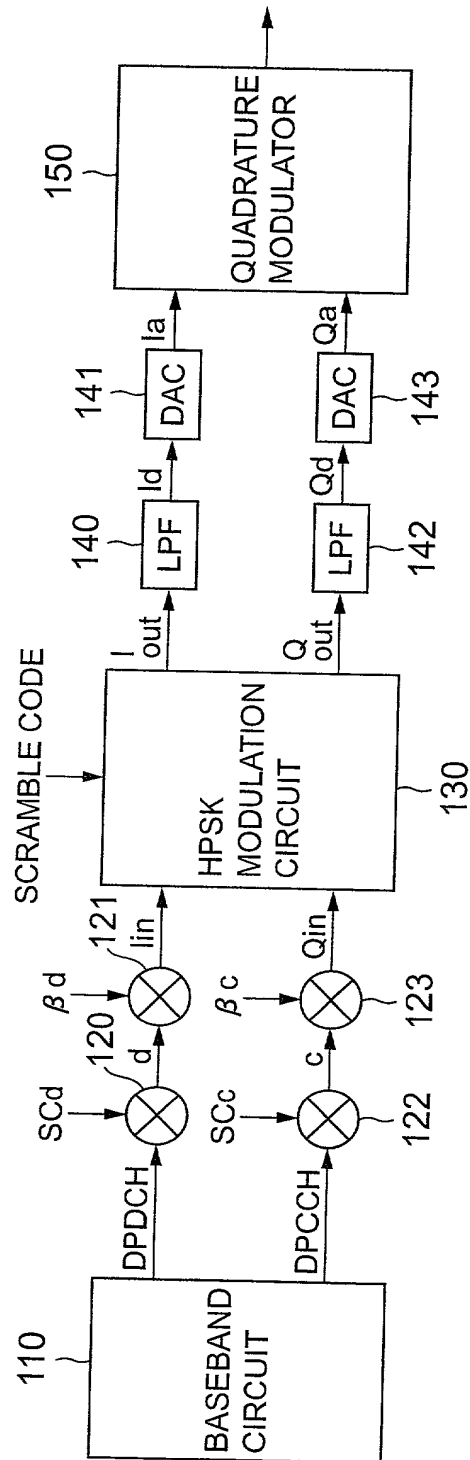


FIG.2

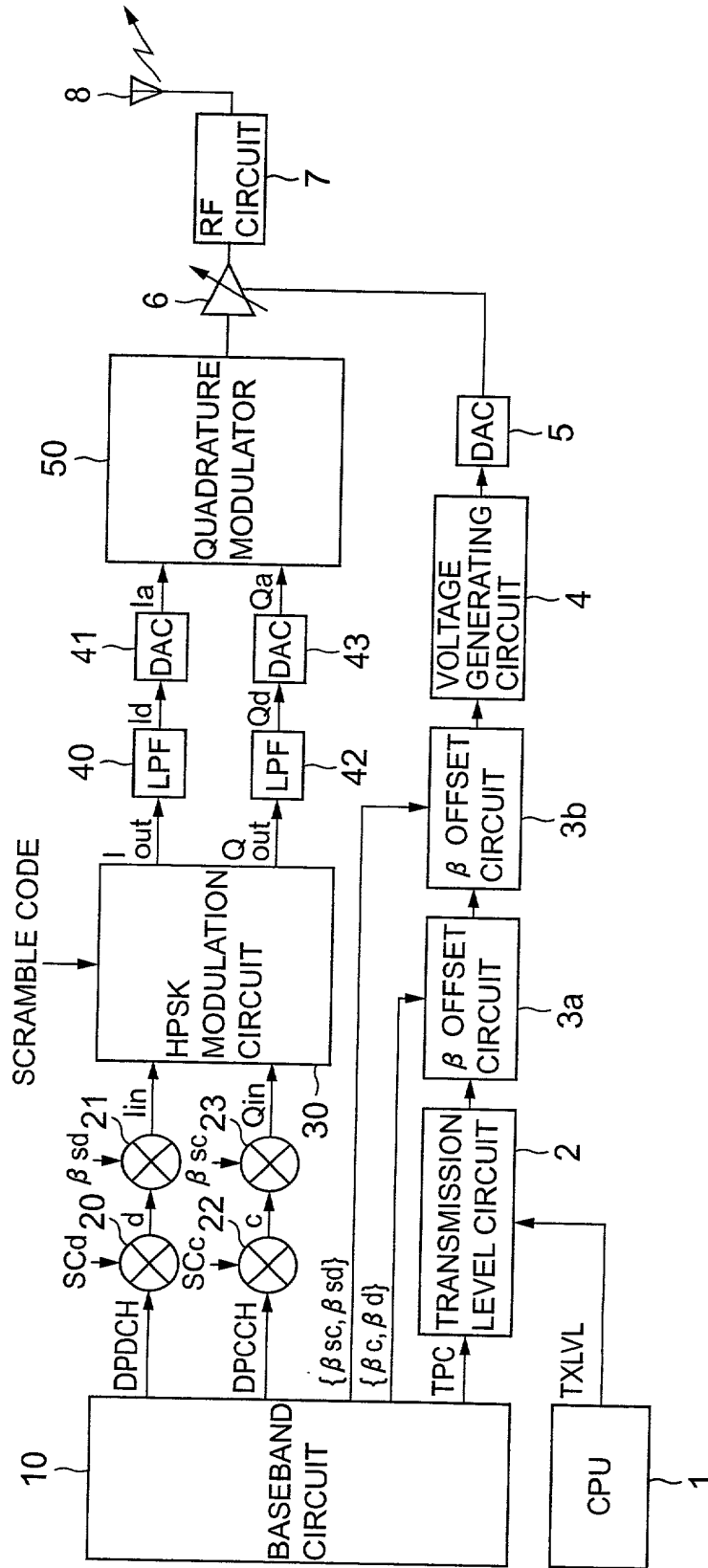


FIG.3

LOGIC VALUE		SET VALUE	
$\beta c$	$\beta d$	$\beta sc$	$\beta sd$
15	15	15	15
15	14	15.5	14.6
15	13	16.0	13.9
15	12	16.6	13.3
15	11	17.1	12.5
15	10	17.7	11.8
15	9	18.2	10.9
15	8	18.7	10.0
15	7	19.2	9.0
15	6	19.7	7.9
15	5	20.1	6.7
15	4	20.5	5.5
15	3	20.8	4.2
15	2	21.0	2.8
15	1	21.2	1.4

FIG.4

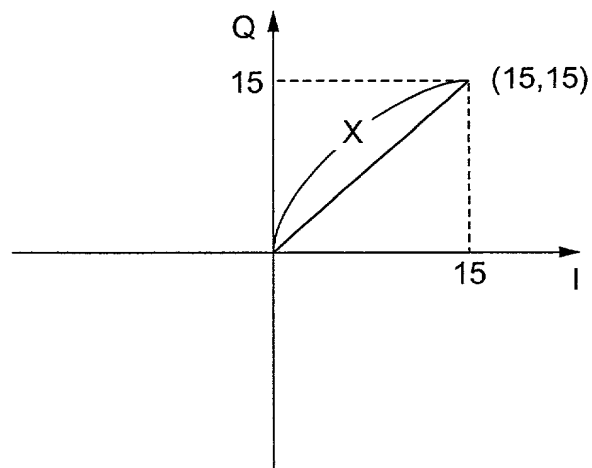


FIG.5

LOGIC VALUE		SET VALUE			SET VALUE (4-BIT EXPRESSION)		$\beta sc^2 + \beta sd^2$	DIFFERENCE [dB]
$\beta c$	$\beta d$	$\beta sc$	$\beta sd$	$\beta sc4$	$\beta sd4$			
15	15	15	15	11	11	242	0	
15	14	15.5	14.6	11	10	221	-0.39423	
15	13	16.0	13.9	11	10	221	-0.39423	
15	12	16.6	13.3	12	10	244	-0.035745	
15	11	17.1	12.5	12	9	225	-0.31633	
15	10	17.7	11.8	13	8	233	-0.16459	
15	9	18.2	10.9	13	8	233	-0.16459	
15	8	18.7	10.0	13	7	218	-0.45359	
15	7	19.2	9.0	14	6	232	-0.18327	
15	6	19.7	7.9	14	6	232	-0.18327	
15	5	20.1	6.7	14	5	221	-0.39423	
15	4	20.5	5.5	15	4	241	-0.01798	
15	3	20.8	4.2	15	3	234	-0.146	
15	2	21.0	2.8	15	2	229	-0.2398	
15	1	21.2	1.4	15	1	226	-0.29701	

FIG.6A

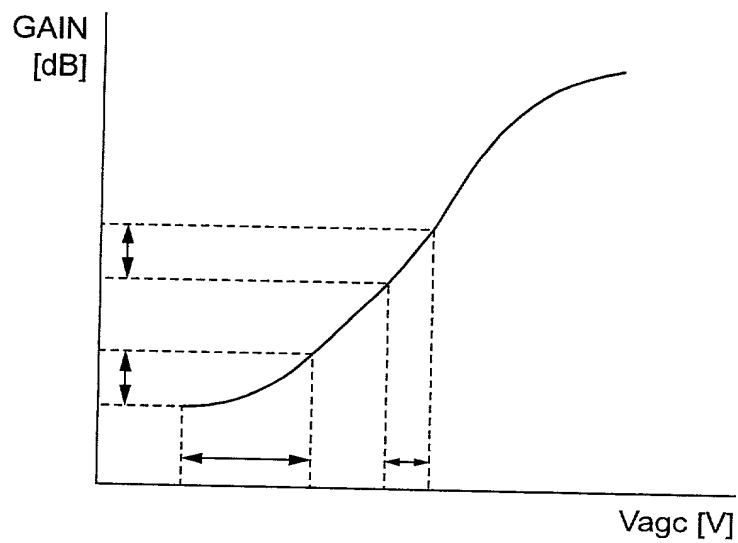


FIG.6B

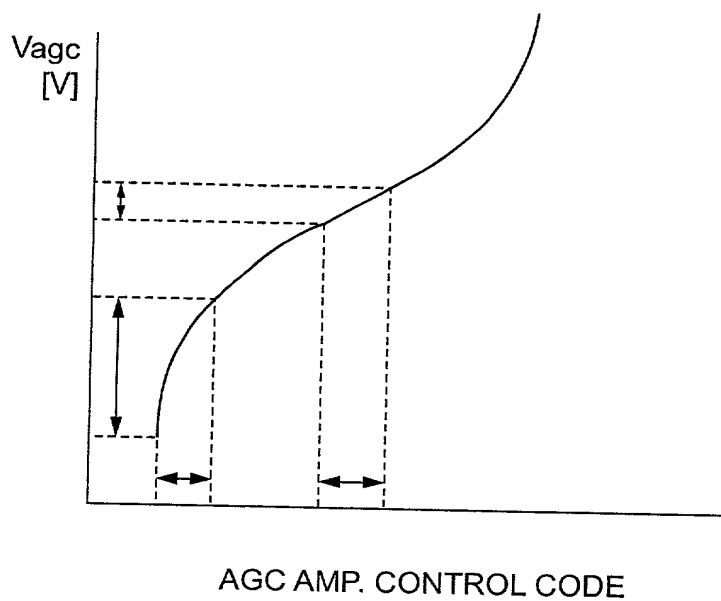


FIG. 7

